

10/663,109

=> d his full

(FILE 'HOME' ENTERED AT 19:05:10 ON 30 NOV 2005)

FILE 'REGISTRY' ENTERED AT 19:05:35 ON 30 NOV 2005

L1 E METHYLSELENOCYSTEINE/CN  
2 SEA METHYLSELENOCYSTEINE/CN  
E E SELENO-L-METHIONINE/CN  
E SELENO-L-METHIONINE/CN  
L2 1 SEA SELENO-L-METHIONINE/CN

FILE 'MEDLINE, HCAPLUS, BIOSIS, EMBASE' ENTERED AT 19:08:52 ON 30 NOV 2005

L3 1 SEA (L1 OR L2) AND (ALOPEC? OR HAIR(7A) LOSS) AND CYCLOPHOSPHAM  
ID?  
D L3 ABS IBIB KWIC HITRN 1

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 NOV 2005 HIGHEST RN 868943-57-1

DICTIONARY FILE UPDATES: 29 NOV 2005 HIGHEST RN 868943-57-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE MEDLINE

FILE LAST UPDATED: 30 NOV 2005 (20051130/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

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The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

#### FILE HCAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 30 Nov 2005 VOL 143 ISS 23  
FILE LAST UPDATED: 29 Nov 2005 (20051129/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

#### FILE BIOSIS

FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 23 November 2005 (20051123/ED)

#### FILE EMBASE

FILE COVERS 1974 TO 28 Nov 2005 (20051128/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

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FILE 'MEDLINE' ENTERED AT 19:08:52 ON 30 NOV 2005

FILE 'HCAPLUS' ENTERED AT 19:08:52 ON 30 NOV 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE 'BIOSIS' ENTERED AT 19:08:52 ON 30 NOV 2005

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FILE 'EMBASE' ENTERED AT 19:08:52 ON 30 NOV 2005

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=> s (l1 or l2) and (alopec? or hair(7a)loss) and cyclophosphamid?

L3 1 (L1 OR L2) AND (ALOPEC? OR HAIR(7A) LOSS) AND CYCLOPHOSPHAMID?

=> d l3 abs ibib kwic hitrn 1

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

AB A method for augmenting the antitumor activity of anti-cancer agents is provided. The method comprises administering to an individual an anti-cancer agent and a selenium compound A method is also provided for inhibiting the growth of a tumor which has proven to be refractory to anticancer agents. The methods comprises administration of selenium compound followed by administration of the anticancer agent.

ACCESSION NUMBER: 2005:983780 HCAPLUS

DOCUMENT NUMBER: 143:222496

TITLE: Method of augmenting the antitumor activity of anticancer agents by selenium compounds

INVENTOR(S): Fakih, Marwan; Rustum, Youcef M.; Pendyala, Lakshmi; Smith, Patrick

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 24 pp., Cont.-in-part of U.S. Ser. No. 844,800.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005197399	A1	20050908	US 2005-79633	20050311
US 2005026852	A1	20050203	US 2004-844800	20040513
PRIORITY APPLN. INFO.:			US 2003-471183P	P 20030513
			US 2004-844800	A2 20040513

IT Alopecia

Diarrhea

Myelotoxicity

(reduction; method of augmenting antitumor activity of anticancer agents by selenium compds.)

IT 50-18-0, Cyclophosphamide 51-21-8, 5-Fluorouracil

2574-71-2, Methylselenocysteine 15663-27-1, CDDP 23214-92-8,

Doxorubicin 33069-62-4, Taxol 61825-94-3, Oxaliplatin 97682-44-5,

Irinotecan 114977-28-5, Taxotere

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

DELACROIX

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(method of augmenting antitumor activity of anticancer agents by  
selenium compds.)

IT 2574-71-2, Methylselenocysteine

RL: BSU (Biological study, unclassified); BUU (Biological use,  
unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)

(method of augmenting antitumor activity of anticancer agents by  
selenium compds.)

=> d his full

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=> e methylselenocysteine/cn

E1 1 METHYLSELENOCYANATE/CN  
E2 1 METHYLSELENOCYANIDE/CN  
E3 2 --> METHYLSELENOCYSTEINE/CN  
E4 1 METHYLSELENOL/CN  
E5 1 METHYLSELENOMAGNESIUM BROMIDE/CN  
E6 1 METHYLSELENOMAGNESIUM IODIDE/CN  
E7 1 METHYLSELENOMETHIONINE/CN  
E8 1 METHYLSELENOMETHYLLITHIUM/CN  
E9 1 METHYLSELENYL CHLORIDE/CN  
E10 1 METHYLSELENOCHOLINE/CN  
E11 1 METHYLSEMIQUARIC ACID ION(1-)/CN  
E12 1 METHYLSILAISONITRILE/CN

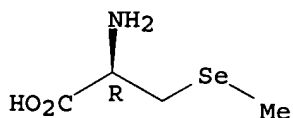
=> s e3

L1 2 METHYLSELENOCYSTEINE/CN

=> d l1

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 26046-90-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN L-Alanine, 3-(methylseleno)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Alanine, 3-(methylselenyl)-, L- (8CI)  
OTHER NAMES:  
CN 3-(Methylseleno)-L-alanine  
CN Methylseleno-L-cysteine  
CN **Methylselenocysteine**  
CN Se-Methylselenocysteine  
FS STEREOSEARCH  
MF C4 H9 N O2 Se  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT,  
CHEMCATS, CSCHM, DDFU, DRUGU, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

117 REFERENCES IN FILE CA (1907 TO DATE)  
117 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d l1 2

L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 2574-71-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Alanine, 3-(methylseleno)- (9CI) (CA INDEX NAME)

DELACROIX

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OTHER CA INDEX NAMES:

CN Alanine, 3-(methylselenenyl)- (6CI, 7CI, 8CI)

OTHER NAMES:

CN DL-Se-methylselenocysteine

CN **Methylselenocysteine**

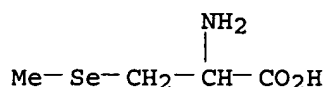
CN NSC 319053

CN Selenocysteine, Se-methyl-

DR 26145-42-6

MF C4 H9 N O2 Se

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, MEDLINE, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

40 REFERENCES IN FILE CA (1907 TO DATE)

40 REFERENCES IN FILE CAPLUS (1907 TO DATE)

4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e seleno-l-methionine/cn

E1	1	SELENO-DL-METHIONINE/CN
E2	1	SELENO-L-CYSTEINE/CN
E3	1 -->	SELENO-L-METHIONINE/CN
E4	1	SELENO-NADP/CN
E5	1	SELENO-TOLUIDINE BLUE/CN
E6	1	SELENOACETALDEHYDE/CN
E7	1	SELENOACETALDEHYDE CATION RADICAL/CN
E8	1	SELENOACETAMIDE/CN
E9	1	SELENOACROLEIN/CN
E10	1	SELENOALUMINOSILICIC ACID (HALSISE4), COPPER(1+) SALT/CN
E11	1	SELENOANDROGRAPHOLIDE/CN
E12	1	SELENOANISOLE/CN

=> s e3

L2 1 SELENO-L-METHIONINE/CN

=> d l2 1

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 3211-76-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN Butanoic acid, 2-amino-4-(methylseleno)-, (2S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Butanoic acid, 2-amino-4-(methylseleno)-, (S)-

CN Butyric acid, 2-amino-4-(methylselenenyl)-, L- (8CI)

OTHER NAMES:

CN L-Selenomethionine

CN **Seleno-L-methionine**

CN Selenomethionine

FS STEREOSEARCH

MF C5 H11 N O2 Se

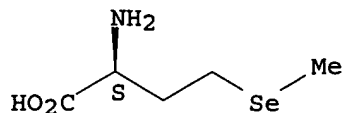
DELACROIX

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CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX,  
CIN, CSCHM, DIOGENES, EMBASE, IPA, NIOSHTIC, PHAR, PROMT, RTECS\*,  
SPECINFO, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

647 REFERENCES IN FILE CA (1907 TO DATE)  
16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
648 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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